

**GE50-LO-E**

Spherical plain bearing

Standard performance Radial spherical plain bearing, requiring maintenance, sliding contact surface: steel/steel, DIN ISO 12240-1, dimension series W, cylindrical extensions on inner ring, open design

Technical information



Your current product variant

Maintenance	Maintenance required	
Material	Steel	
Type of Seal	Without	
Radial internal clearance	CN (Group N)	Normal internal clearance
Coating	Durotect M	Inner- and outer ring coated with Durotect M (Manganese Phosphate)

Main Dimensions & Performance Data

d	50 mm	Bore diameter bearing
D	75 mm	Outside diameter bearing
B	50 mm	Width inner ring
C _r	157.000 N	Basic dynamic load rating, radial
C _{0r}	785.000 N	Basic static load rating, radial
≈m	0,59 kg	Weight

Mounting dimensions

r _{1smin}	0,6 mm	Edge Spacing
r _{2smin}	1 mm	Edge Spacing
d _{a max}	57 mm	Connection measure Inner ring
D _{a min}	62 mm	Housing Connection Diameter



Dimensions

C	28 mm	Width Outer ring
d _K	66 mm	Ball diameter
α	4 °	Tilt angle
d _{OT}	0,025 mm	Bore diameter bearing, upper tolerance
d _{UT}	0 mm	Bore diameter bearing, lower tolerance
D _{OT}	0 mm	Outside diameter, upper tolerance
D _{UT}	-0,013 mm	Outside diameter, lower tolerance
B _{OT}	0 mm	Width inner ring, upper tolerance
B _{UT}	-0,25 mm	Width inner ring, lower tolerance
C _{OT}	0 mm	Width outer ring, upper tolerance
C _{UT}	-0,3 mm	Width outer ring, lower tolerance
G _r	0,06 - 0,12	Radial Clearance
G _{rmax}	0,12 mm	Radial clearance, maximum
G _{rmin}	0,06 mm	Radial clearance, minimum

Temperature range

T _{min}	-60 °C	Operating temperature min.
T _{max}	200 °C	Operating temperature max.

Characteristics

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Grease Lubrication
-  Not sealed
-  Static angular error and misalignment
-  Dynamic angular error and misalignment